MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
		3	4	5	6	7	8
	Gross					1484394-	
	IT					29688-	
	VAT					59376-	
	BSD					74220	
	Cess					14849	
	CBA					1484	
	Ry					18125	
	Fin					10230	
	Ded					207967	
	Net					1276432-	

BR 13/31-3-2016

M. A. R. 57 (Rule 116)
Measurement Book

SOR 08/29-2-2016
No. B

Serial No. 1st & final

Name of work Modified Estm providing chain link fencing in Shettyhalli in ward no-12 From To Shettyhalli burrial ground

Name of Contractor of nature of Agency Technical manager (West) KRIDL

Date of commencement of work NOER/PD/WO/58/12-13 Dt 7/3/12 Sc1-012-13-000027.

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
I-1.	Earth excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation. With lead upto 50m after breaking of clods Complete as per specifications. vide pg no. 6458/1 of this M.B.					219.11cum @ ~~2240~~ 259.70 Rs/-	5690.3-00

66176

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To 66127

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-2	Earthwork in Surface excavation in ordinary soil for levelling & lowering the ground manually (other than foundation of buildings, culverts, road drains) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed, disposed earth to dressed as per specifications. Qty vide pg no. of this M.B. ~~10 × 2 to × 10 × 0 to~~ = 2.10 Cum @ 144=16 Rs- 303=00						
I-3	Providing & filling Sand in foundation upto plinth to required depth for sub-soil treatment including watering ramming with all lead & lift						
	complete. as per specifications. Qty vide Pg no. 66159/1 of this M.B.					79.67cum @ 430=26 Rs- 1537 84=00	
I-4	providing and laying in position plain cement concrete of mix M-10 with opc cement @ 220 kgs with 20mm & down size graded granite metal coarse aggregate @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed Concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth & city						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including cost of all materials, labour Hom of machinery curing complete as per specifications. Qty vide pg no. 66159/2 of this M.B					29.8 Tons @ 5189=76 Rs. 155018=00	
I-5	providing and constructing granite/trap/basalt Size stone masonry in foundation in cement mortar 1:6 Stone hammered dressed in courses not less than 20cms high bond stones at two m. apart in each courses including cost of materials labour curing complete as per specifications Qty vide pg no 66160/2 of this M.B.					16.11cum @ 3765=12 Rs. 43 7168=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To 66128

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-6	providing and constructing granite/trap/basalt Side stone masonry in basement with cement mortar 1:6 edges of stones chisel dressed in courses not less than 15cms high bond stones at two m apart in each cours. including cost of materials, labour curing complete as per specifications. Qty vide pg no. 66161/1 of this M.B.					44.81cum	
		1	50.0	0.45	1.0	= 22.50 cum	
		1	12.30	0.45	1.0	= 5.53 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cab Kitchen Plt		1 × 43.70 × 0.45 × 1.0 = 19.66 cum 1 × ~~47.0~~ 13.0 × 0.45 × 1.0 = 21.15 cum 1 × ~~13.0~~ 21.0 × 0.45 × 1.0 = 5.85 cum Pa 119.50 cum @ 4458 = 36 Rs - 532774 = 00		
I-7	providing raised and cut pointing to coursed stone masonry with cement mortar 1:3 20mm deep after raking joints to depth of 20mm nicely lining, including cost of all materials labour ceiving complete as per specification		1 × 50.0 × — × 1.45 = 72.50 sqm 1 × 12.3 × — × 1.45 = 17.83 sqm 1 × 43.70 × — × 1.45 = 63.36 sqm				

M. A. R. 57 (Rule 116)
Measurement Book
No. B

Serial No. .....
Name of work ..... From ..... To 66129
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cab Kitchen Plt		1 × ~~47.0~~ 25 × . 1 × 13.0 ×		1.45 = 68.15 sqm 1.45 = 18.85 sqm	240.69 sqm @ 133 = 56 Rs - 32146 = 00	
I-8	providing and laying in position plain cement concrete of mix M-20 with OPC cement @ 300 kg/m³ with 20mm and down size graded granite metal. coarse aggregates @ 0.61 cum & fine aggregates @ 0.43 cum with superplasticer @ 3 lts conforming to IS 9103 1999 Reaffirmed - 2008 machine mixed concrete laid in layers not exceeding 15cms thick well compacted						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Curing complete as per specification						
		1	50.0	0.45	0.10	= 2.25 cum	
		1	50.				
		1	12.30	0.45	0.10	= 0.55 cum	
		1	43.70	0.45	0.10	= 1.97 cum	
		1	47.0	0.45	0.10	= 2.11 cum	
		1	13.0	0.45	0.10	= 0.58 cum	
		10	2.10	10.	0.20	= 4.20 cum	
						11.66 cum	
						10.80 cum	
						@ 5744=14	
						Rs. 62037=00	
F9.	Providing & fixing M.S. gate as per chief Architect drawing using 50 mm x 50 mm 14 gauge MS hollow						

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

M. A. R. 57 (Rule 116)
Measurement Book

No. B

66130

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pipe frames work bent to ornamental shape as shown in the drawing and 35 mm x 6 mm & 16 x 16 mm square ready for verticals alternatively spaced at 4 cm c/c in two halves and 40 mm x 6 mm m.s flats for horizontal members and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete all the steel surface should be thoroughly cleaned with lead & lift loading complete as per specification						
		1	5.0		1.80	= 9.00	
						@ 3362=3x	
						Rs:- 30261:00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-10	providing Chain link fencing 50mm size of 8 gauge properly stretched between rectangular poles & fixed with suitable bolts & nuts, the free ends welded to the pole & block pipe at top & bottom, as required including cost of all materials labours lead & lift as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of stop paint.	1	× 50.0	×	× 1.80	= 90.0 sqm	
		1	× 12.30	×	× 1.80	= 22.14 sqm	
		1	× 43.70	×	× 1.80	= 78.66 sqm	
		1	× 47.0	×	× 1.80	= 84.60 sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

66131

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	× 13.0		× 1.80	= 23.40 sqm	
						298.74 sqm	
						@ 669.92	
						Rs. - 200132.00	
I-11	supplying & fixing M.S Rectangular poles made out of 2 equal angles of 65×65 × 6mm welded together and fixed in CC(1:2:4) with 2 Nos 16mm dia M.S hold fast rods each of length 25 cms including cost of all materials cutting, bending nicely finishing the welded joints with all lead & lifts	85.0	× 2.25		~~× 2.25~~ Rs	= 191.25 sqm	
						@ 1093.92	
						Rs - 209212.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-12.	Providing & fixing M.S. blocks pipe of 38 mm dia of heavy gauge of 14 including removing the bends cutting the pipes & fixing pipe in between the two vertile poles (M.S. rectangular poles) & spot welding the chain link fencing M.S. block pipe including cost of all materials wastages in cutting and scaffolding wherever necessary with all lead & lifts as directed by the Engineer-in-charge work etc, complete including two coats of approved quality paint.	3 × 50.0				= 150.0m	
		3 × 12.30				= 36.9m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		3 × 43.70				= 131.10 m	
		3 × 47.0				= 141.0 m	
		3 × 13.0				= 39.0 m	
						498.0 m	
						@ 316.94	
						Rs. 157836.00	
I-13.	Providing and fixing Name board of size 1.35×0.60 ×0.04 mts fixed reinforced cement concrete poles of size 0.10×0.10×2.60 mts in cement concrete M20 proportion using 20mm & down size graded metal machine mixed with 10mm dia main steel bars and 8 mm dia stirups						

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as shown in fingure The board shall be provided with 12mm thick cement plaster in CM 1:3 on both the sides the poles shall be embedded in the ground for a depth of 0.50 mts with cement concrete M. 10 property the board shall be fixed as per the drawing and at the place indicated by the Engineer incharge of the work complete as per specification.	2 NO				= 2.0 Each @ 5088=00	10176=00 ~~5088=00~~ Rs
I-14	Providing and fixing Delhi Benches with back resting the set in inclusive of material Cost of transportation charges including fixing the						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

66133

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		20 NOS				= 20.0 Nos @ 8500=00 Rs = 170000=00	
I-15	providing & fixing R.C.C. name board of size 1.35×0.6 ×0.04 mts fixed in reinforced cement concrete poles of size 0.10×0.10×2.60m in cement concrete M-20 Proportion using 20mm & down size graded metal machine mixed with 10 mm dia main steel bars & 8mm dia stirrups as shown in drawing. the board shall be provide With 12mm thick cement plaster in cm 1:3 on both						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

the Sides The poles shall be embedded in the ground for a depth of 0.5 with cement concrete M-10. proportion. The board shall be fixed as per the drawing and at the place indicated by the Engineering charge of work. complete as per specification

= 1 NO

1 NO @ ~~5088=00~~

Ravi.N.K. 29/2/16 Total Amount :- 220775=00

KRIDL charges 11% :- 24853=00 220775=∞

245603=00 2428525=∞

Certificate

1) certified that contractor has done the work Satisfactory
2) certified that Contractor has removed all debris from work spot
3) certified that there is no due work from contractor side.

Ravi.N.K. 29/2/16.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To .....

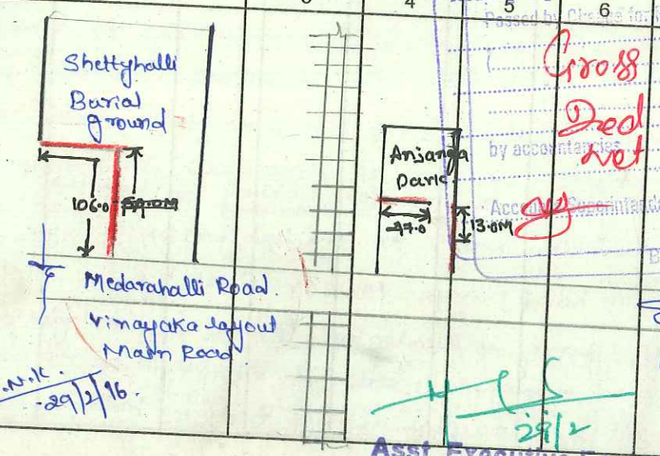
Name of Contractor of nature of Agency.....

Date of commencement of work.....

P-D190 major Works 2488525/

66134

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Ravi.N.K. 29/2/16.

29/2

Gross 2428525/-
Ded 348904-
Net 2079621-

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,